



# REFLECTOR



2050 Hammonds Plains Road Hammonds PlainsNS B4B 1P3

March 2020, Volume 81 Number 3

club web site is www.halifax-arc.org



# Did You Remember To Set All of Your Clocks Ahead One Hour for Sunday, March 8?

HARC Club Station phone number - 902-490-6421

#### Executive

President - Brian Allen, VA1CC 489-4656 basailor@eastlink.ca

First V.P. – Jason Ingraham, VE1PYE 292-9924 VE1PYE@bellaliant.net

2nd V.P. - VACANT

Secretary - Roger Stein, VA1RST 403-3738 burch.craft@gmail.com

Treasurer - Bill Simm, VA1ALW williamrham@live.ca
Member-at-Large: -John Bignell johnmbignell@gmail.com

Station Manager: - Don Trotter, VE1DTR dontrotter@hotmail.com

Past President - Bill Elliott, VE1MR 865-8567 bowser.elliott@ns.sympatico.c

Director Emeritus - Bill Elliott, VE1MR 865-8567 bowser.elliott@ns.sympatico.ca

#### **Committees/Offices/Prime Contacts**

Government & Media Relations - Gary Murphy VA1GGM, 461-9416 garygmurphy@gmail.com

QSL Bureau Mgr - Murray MacDonald (VE1BB) twomacds@ns.sympatico.ca
EMO Coordinator - David George, VE1AJP 466-8723 dgeorge@dal.ca
EMO Trailer coordinator - David Musgrave, VE1EDA 435-4333 ve1eda@rac.ca
Reflector editor - Lynn Bowser, VE1ENT 865-8567 bowser.elliott@ns.sympatico.ca
Reflector Hardcopy Dist. - Jeremy Fowler, VE1JHF 240-4302 ve1jhf@gmail.com
Membership - Jim Calvesbert, VE1PPA jim.calvesbert@gmail.com
Reflector electronic Dist.; Jim Calvesbert, VE1PPA jim.calvesbert@gmail.com
Web site content Manager - Brandon Fowler, VE1BMF bmfowler95@gmail.com
Basic ham course - Jason Ingraham, VE1PYE 292-9924 VE1PYE@bellaliant.net
2020 Fleamarket Chair - John Bignell, VE1JMB 902-223-1945 johnmbignell@gmail.com

Safety Officer - Pat Kavanaugh, VE1PK ve1phk@rac.ca VA1MMA Project Manager - Dick Grantham, VE1AI rgrantham@ns.sympatico.ca NSARA Director - Bill Elliott, VE1MR 865-8567 bowser.elliott@ns.sympatico.ca Honorary Legal Counsel – Paul Radford, VE1ARH

2020 Field Day Coordinator John Bignell, VE1JMB 223-1945 johnmbignell@gmail.com

#### Non Club Contacts

RAC Atlantic Director - Dave Goodwin, VE9CB ve9cb@rac.ca RAC Section Manager - Dave Hull, VE1HUL d.hull@ns.sympatico.ca

RAC Assistant Director for HRM Scott Wood, VE1QD, 823-2191 ve1qd@rac.ca

# Take-15 Net Controllers This will be the rotation. We need more net controllers. If you want to join, let Bill Elliott, VE1MR, know.



March 15 Bill VA1ALW
March 22 Cam VE1BIT
March 29 Peter VE1WIN
April 5 Gary VA1GGM
April 12 Bill VA1ALW

Please send any issues (broken links, missing information, etc.) found on the H.A.R.C. Website to our Website Manager, Brandon Fowler, VE1BMF, at bmfowler95@gmail.com

You know that tingly little feeling you get when you fall in love with someone?

That's common sense leaving your body



All phone numbers must be preceded by area code 902 when dialling, unless otherwise indicated

The March, 2020 General Meeting of the Halifax Amateur Radio Club will be held Wednesday, March 18 in the training room at Fire Station 50 in Hammonds Plains.

6:30-7:00pm - Social half-hour with refreshments.

7:00-7:45pm - Presentation: Digital Voice Modes Demystified: DMR, D-Star and Fusion

Presenter: Al Cyples, VE1CYP

8:00-9:30pm – General meeting

Guests are welcome

#### **NOTICE**

This is your last Reflector if you have not renewed your HARC membership. See page 9 or the web site for methods of joining or renewing.

Deadline for submissions to the April 2020 Reflector is Saturday April 4, 2020

# GENERAL INFORMATION



Sunday evenings: TAKE-15 NET at 8:30 PM

**CLUB REPEATERS:** 

VE1PSR - 147.270 MHz + TX=82.5 VE1PSR/UHF - 444.350 MHz +

VE1PSR/6M - 53.550 MHz -

access and TX tone 151.4 Hz VE1HNS - 146.940 MHz - TX=82.5

PACKET: VE1NSD 145.050 MHz

LAN NODE

# Event for Your Calendar

Page 2

As a trial, the **NSARA Contest** will take place this year on **March 22**, **2020**.

Craig, VE1JMA, received an email about the Shearwater Hobby Show on the 18th and 19th of April. Craig is happy to coordinate again but he needs some help and some new ideas for a display. Please contact Craig at cjmackinnon@gmail.com if you want to help out.

SMART 2020 - April 25 in-Springhill, NS.

Registration is now open so go to the website below and join fellow HAM's at Atlantic Canada's premier amateur radio event

https://www.westcumb.ca/s-m-a-r-t-2020 or https://atlanticamateur. ca/2020/01/09/s-m-a-r-t-20registration/

May 23, - the **2020 Downeast Fleamarket** will be held again this year at the Lower Sackville Legion, Calais Branch 162, 45 Sackville Cross Road, Lower Sackville.

Join us Saturday, May 23, 2020 when the doors open at 10:00 am with a general admission of \$5.00

Field Day 2020 – June 27-28 John Bignell, VE1JMB has agreed to be Chair'man/Coordinator Contact him at 902-223-1945 OR johnmbignell@gmail.com to tell him you can help.

#### **NOTICE**

The club has purchased a new supply of Anderson Power Pole connectors and we need to count, bag and insert an instruction sheet into bags of 10 sets of connectors. Each connector set consists of a Red body, a Black body and 2 contacts. A small group of people can do this task in a fairly short time. If you are interested in helping please let Bill, VE1MR know by e-mail at: bowser.elliott@ns,sympatico.ca

The **2020 Downeast Fleamarket** will be held again this year at the Lower Sackville Legion, Calais Branch 162, 45 Sackville Cross Road, Lower Sackville.

Join us Saturday, May 23, 2020 when the doors open at 10:00 am with a general admission of \$5.00. Don't forget to pick up your 50/50 tickets with money going to HARC.

For people interested in setting up a seller's table they can arrive at 8:00 am to begin setting up. Each 3x6 foot table is \$10.00, and on request, we can provide power. Space is limited

so book your table as soon as possible — contact John Bignell (VE1JMB) johnmbignell@gmail.

The Halifax Amateur Radio Club Downeast Fleamarket Committee is always looking for volunteers to help sell tickets, provide security, and help manage the entrance table. For more information on volunteering contact John Bignell (VE1JMB) by email at johnmbignell@gmail.com or text at 902-223-1945. The talk frequency for the event will be on VE1PKT 146.685 (–)/VE1CDN 146.970 (–) VE1CDN Fusion 442.975 (+) (CQ-Maritimes Room).

### The NSARA Contest by VE1CK • March 3, 2020

The NSARA contest has been taking place each year on the first Sunday in March.

BUT in 2020 the contest has been moved to March 22 as a trial in an effort to get better weather conditions for the rover stations that are kind enough to make all counties available during the contest.

Thus the NSARA Contest schedule for t he next 5 years will be **2020 March 22** 2021 March 7 2022 March 6

2023 March 5 2024 March 3

Hours:

The contest will run for EIGHT hours – two four hour sessions.

Morning Session: 08:00 AM AST – 12:00 PM AST Afternoon Session: 02:00 PM AST – 06:00 PM AST

Operating Band:

All contacts for contest credit will take place on the 80 Meter band within the allocation(s) guidelinesof the Radio Amateurs of Canada 80M Band Plan. A PDF of the HF Band Plans can be found here:

https://www.rac.ca/en/rac/services/bandplans/hf/hfplan-20080711.pdf Phone contacts must occur in the PHONE allocation of the 80M band. CW contacts must occur in the CW portion of the 80M Band.

Digital contacts must occur in the DIGITAL allocation of the 80M band.

Exchange:

Nova Scotia Stations will exchange: Call Sign, Signal Report, and County. Non Nova Scotia stations will exchange: Call Sign, Signal report, and a contact number.

Nova Scotia Stations operating portable or mobile must make it clear they are portable or mobile. See Bonus Points

QSO Points:

Score one point per completed PHONE contact. Score one point per completed CW contact.

Score one point per completed DIGITAL contact.

The same station can be logged on each mode (e.g. PHONE, CW, DIGITAL

(Continued on page 3)

The sooner you fall be-

hind, the more time

you'll have to catch up.

## PRESIDENT'S MESSAGE for February, 2020

Welcome.

As I sit here tonight getting ready for the ARRL DX SSB CONTEST, there is a snow storm in the forecast with high winds in access of 80 to 100 kph. Just hope the antenna stays up so I can work some good dx. I found a really good site that identifies DX stations going to remote sites with dates and times called "Announced dx operations 2020". For those who work the contest I hope you all do well and for the first timers in this contest it gives you the opportunity to get your DX CENTUREY CERTIFICATE. You could easily pick up 100 countries which is the requirement for this award. It is also an opportunity to get wpx prefixes, islands and other award points.

We have spaces available for the Museum of the Atlantic for the March break should anyone have some spare time to spend with the kids doing some Morse code and generating interest in the hobby. If you can help out let Dick, (VE1AI) know so he can place you on the schedule, time slots are for 4 hours each in the morning and 3 hours in the afternoon. This is one of the most fun things you can do down at the Museum.

On February 22, we had the Ham breakfast at the Steak and Stein and although there were not very many in attendance, those who were there had a great time with lots of good conversation with stories and past experiences. George Snow, VE1CAW won the draw for 25.00 so he had more fun than the rest of us. Congratulations George.

I am looking forward to our next technical meeting with the group so as to get an update on how there many projects are proceeding. We are fortunate to have such an active group of professionals that can make these changes to our systems and move us along toward being the best club in Canada. Our group lead will update the club members during the general meeting.

Well, the contest is in 15 minuets so it is time to go get refreshments, food and bring up N1MM and load the database, I have all the parameters in the boxes. The 40 mtr band is open.

73 - Brian Allen, VA1CC President of the HARC <u>Law of the Inevitable</u> To ignore the facts does not change the facts.

The NSARA Contest (Continued from Pg 2)

(PSK31, SSTV, RTTY etc.) within the Band Plan Guidelines.

#### Multipliers:

The 18 counties of Nova Scotia will count as multipliers.

Any Amateur from anywhere can take part but only Nova Scotia Counties will count as multipliers.

Each multiplier may be counted once on each mode.

<u>Bonus Points:</u> – Added to score after QSO Points X Multipliers

ALL stations: A bonus of 10 points will be awarded for each "ROVER" or "FIELD DAY" type station worked.

The BONUS is awarded for each mode worked with each ROVER or FIELD DAY station.

ROVER or Portable stations: 100

BONUS points awarded for each county worked from.

Scoring Example;

Phone QSOs = 61

Multipliers = 15

Total = 915

Bonus Points = 250 (5 Portable or Rover stations worked, plus you gave mobile contacts from 2 counties)

Final Score = 1165

<u>Categories (MODE)</u>: The following 4 categories are eligible for certificates as detailed in the Awards section of the rules.

**PHONE** 

**CW** 

DIGITAL (All digital modes excluding CW)

MIXED MODE

Category notes:

Single Operator or Multi operator permitted.

Single Transmitter operation ONLY – with no restrictions on the number of operators.

Field Day or Rover type of portable operations to rare counties is encouraged, especially if BASIC operators are involved. See Bonus Points

The contents of a log that is submitted for a specific Category must reflect that Category. In the event of a conflict between the actual content of the log and the stated Category in other elements of the entry material, the actual contents of the log will be used to determine the Category of entry where possible.

In the event this cannot be determined or in the event where a log does not identify the entry Category, the entry will be classified into the most advantageous Category.

An entrant who enters a specific (Continued on page 4)

The NSARA Contest (Continued from page 3) Category (i.e. PHONE) but who also worked additional contacts outside that Category should try to mark (or highlight) the contacts they wish counted for their entry.

Each new multiplier in a Category must be clearly marked in the log. Multipliers in a specific category entry will be counted for score only in that category.

<u>Logging:</u> - A separate log sheet should be kept for each MODE (Category) of transmission by Call Sign.

The log must clearly indicate the MODE used for the contest contact.

The log must show:

Station worked

Time of contact (UTC or local)

Mode

Signal Report

County, if the contact is with a NS station. OR a contact number for

NON NS stations Claimed bonus points

Submit Logs:

Contest Entrants will have one month (30 days) to submit logs after the contest ends.

Entries can be

by paper log mailed in, by E-Mail in plain text electronically as an image attachment on an E-Mail

Files must be submitted in plain AS-CII/Text format or a generic spread sheet.

Why is the letter W, in English, called double U? Shouldn't it be called double V?

#### **AWARDS**:

Certificates: Anyone who makes 25 or more contacts (any mode) in the contest (regardless of the score), and submits a log, will receive a 'Participation Certificate'. Stations making contacts with all 18 Nova Scotia counties (all modes) will have "Clean sweep" indicated on their certificates and they will also qualify for the NSARA WORKED ALL NOVA SCOTIA COUNTIES AWARD (WANSC) without QSL card submission.

<u>Winners</u> (1st Place) will be recognized separately for Phone, CW, Digital and Mixed Mode. The winner will receive a certificate (suitable for framing) as well as having their photo on the NSARA web page and in TCA and local media if desired.

Nova Scotia County list for use in the NSARA Contest:

**ANNAPOLIS** 

ANTIGONISH

**CAPE BRETON** 

COLCHESTER

**CUMBERLAND** 

DIGBY

**GUYSBOROUGH** 

**HALIFAX** 

**HANTS** 

**INVERNESS** 

**KINGS** 

LUNENBURG

PICTOU

**QUEENS** 

**RICHMOND** 

**SHELBURNE** 

**VICTORIA** 

YARMOUTH

The list can be used to check off the counties as you work them. Some counties have a large number of Amateurs, while others have only one or two active Hams.

The contest committee, comprised of NSARA Directors, will make the final decision in all matters regarding the contest.

The contest committee encourages Clubs or other groups of Hams to do a Field Day type of operation during the contest.

There are no contest restrictions on who can operate using one Call Sign, so a MULTI SINGLE type of operation is encouraged, especially if BASIC level Hams are involved. This contest experience may encourage them to pass the CW license requirements as well as experimenting with some of the new modes such as PSK31 or SSTV.

Send Logs to:

NSARA Contest Coordinator

Peter J. Surette 48 Birch Street

Truro, NS B2N 4X2

Or e-mail them to: ve1pjs@rac.ca Or ve1pjs@ns.sympatico.ca

Please include your full mailing address and email to ensure you receive your certificate.

"Actual" Exchanges between pilots and control towers

From an unknown aircraft waiting in a very long takeoff queue: "I'm f...ing bored!"

Ground Traffic Control:"Last aircraft transmitting, identify yourself immediately!"

Unknown aircraft: "I said I was f...ing bored, not f...ing stupid!"

From the ARRL web site 03/06/2020

# Saint Patrick's Day Special Event Set

Many radio amateurs around the world will celebrate Saint Patrick's Day on the air as part of the St Patrick Award. The 48-hour event will take place from 1200 UTC on March 16 until 1200 UTC on March 18. Saint Patrick's Day is March 17. SWLs are invited to take part. Awards will be in five categories: SPD Station Award (for registered stations); Fixed/Portable Station Award; Digital Station Award; Mobile Station Award, and Short Wave Listener Award. Register to be an official participating station. Visit the event's Facebook page. — Thanks to Bobby Wadey, MIORYL

CONGRATULATION on passing the Advanced ham radio exam to Tim Delaney, VA1TIM Don Trotter, VE1DTR Greg Estabrooks, VE1GFX Gordon Young, VE1GVY Gary Bugden, VE1GLB Ray Armstrong, VA1RAY Ralph Rosere, VE1RAR David Lewis, VA1AAB Cam Farnell, VE1BIT Fraser McDougall, VE1WO

From the ARRL web site

# Georgia Institute of Technology CubeSat to Feature Amateur Radio Robot Operation 03/06/2020

The Glenn Lightsey Research Group's Space Systems Design Lab at the Georgia Institute of Technology is sponsoring a 1U CubeSat mission that will include a digital robot. The primary function of the GT-1 satellite is to serve as an educational proof of concept and satellite bus demonstrator. Georgia Tech will use this mission as an opportunity for undergraduates to get involved in all facets of a space mission, from design to implementation and support.

GT-1 will test a prototype deployable antenna and solar panels, which can be used for future missions derived from the same baseline design, and with inclusion of additional experimental equipment. It will operate with AX.25 protocol telemetry.

In partnership with the W4AQL Georgia Tech Amateur Radio Club, the satellite will also host a digital contact robot payload, inspired by the earlier Russian RS-12 and RS-13 satellites of the early 1990s. GT-1 will collect contact information from stations that contact the robot as it orbits. The satellite will also function as a standard digipeater. Plans call for a deployment from the International Space Station in October.

— Thanks to AMSAT News Service

From the ARRL web site

# AMSAT Academy to be Held Prior to Dayton Hamvention

03/06/2020

AMSAT® is hosting AMSAT Academy on May 14, the day before Dayton Hamvention®. This is a unique opportunity to learn about amateur radio in space and working FM, linear transponder, and digital satellites currently in orbit. AMSAT Academy will be held Thursday, May 14, from 9 AM until 5 PM at the Dayton Amateur Radio Association (DARA) Clubhouse, 6619 Bellefontaine Road, Dayton, Ohio.

The \$85 registration fee includes a full day of instruction, designed for both beginners and advanced amateur radio satellite operators, and taught by some of the most accomplished AMSAT operators; a digital copy of Getting Started with Amateur Satellites, 2020 edition (a \$15 value); a 1-year AMSAT Basic Membership (\$44 value); a pizza buffet lunch, and an invitation to the Thursday night AMSAT get together at Ticket Pub and Eatery in Fairborn.

Register at the AMSAT Store by May 8. — AMSAT News Service via AMSAT Vice President — User Services

#### The Atlantic Amateur

Ham Radio for the **Atlantic Provinces** 

www.atlanticamateur.ca

While no fall arrest course is currently scheduled, anyone wanting fall arrest training should contact Safety Officer Pat Cavanaugh, VE1PHK, at ve1phk@rac.ca to reserve a spot on the next course when it's scheduled.

### Distracted Driving in Canada update: Ontario has granted permanent two-way radio exemption for Amateurs

https://www.rac.ca/ontario-hasgranted-permanent-two-way-radioexemption-for-amateurs/

Distracted driving regulations continue to be an area of interest for many Canadian Radio Amateurs. These regulations are made and enforced by provincial governments and can vary considerably from province to province and over time.

In Ontario, RAC Directors Allan Boyd, VE3AJB (Ontario North/East) and Phil McBride, VA3QR (Ontario South) have been working hard on this issue.

We are pleased to announce that effective February 14, 2020, the Ontario Ministry of Transportation has "made permanent the exemption under Ontario Regulation 366/09 (Display Screens and Hand-Held Devices) of the Highway Traffic Act for hand-held two-way radios for commercial drivers and Amateur Radio operators."

The official publication of the amendment to the regulations is available online at the following links:

English:

https://www.ontario.ca/laws/regulation/r20018

Alan Griffin RAC MarCom Director

www.rac.ca 720 Belfast Road, #217 Ottawa, ON K1G 0Z5 613-244-4367, 1- 877-273-8304 raccomms@gmail.com



Golf is like marriage,
If you take yourself
too seriously it won't
work,
and both are
expensive.

I'd kill for a Nobel Peace prize.

# Halifax Amateur Radio Club Minutes of the General Meeting 19 February 2020

- 1. Welcome to the HARC monthly meeting for February 19, 2020: The meeting was called to order by President VA1CC, Brian at approximately 1910 hours.
- 2. Acceptance of the Agenda: A motion was made to accept the agenda by VE1MR Bill, seconded by VA1RST Roger, the motion passed.
- 3. Roll Call: 36 members and visitors were in attendance.
- 4. Report of any Silent Keys: VE1AI reported that Eric Dephart a past member of the Greenwood Club, now a VE3 had passed, call not available.
- 5. <u>Approval of Minutes of January 2020</u> as printed in the Reflector: A motion was made by VE1QD Scott, seconded by Fred VE1FA, motion passed.

#### 6. Correspondence:

Andy Filmore MP visited Field Day last June and sent a Certificate of Achievement for finishing 1st in Canada and 8th overall in our class for Field Day 2020.

Banks statements were received from Scotia Bank.

The current month QST magazine was received and is in the rack in the office.

7. <u>President's Report</u>: Approval and the order of a new 30 foot foldover tower for the satellite antennas that were at St Andrews is in the works. Delivery is expected by the end of March with installation to follow. There will also be an HF vertical antenna installed on the top of the tower.

The Cowie Hill repeater site will undergo some antenna replacement and additions this year. A larger building to house the equipment and a location closer to the tower is being investigated. Keep an eye on the Reflector and the HARC website for

other items.

The following have passed the Advanced Class exam this past education training period, Tim Delaney, Don Trotter, Greg Estabrooks, Gordon Young, Gary Bugden, Ray Armstrong, Ralph Rosere, David Lewis, Cam Farnell, and Fraser McDougall. A round of applause followed to celebrate and acknowledge their achievement!

There will be a Ham Breakfast this coming Saturday the 22nd at the Young Street Steak and Stein at 10 am. See you there. So far 14 have indicated they will attend.

The Hobby Show will be at Shearwater on the 18th and 19th of April, contact Craig VE1JMA.

There will be a Ham Radio demonstration here at Station 50 with the Girl Guides with Dick VE1AI, Fraser VE1WO and Scott VE1QD on February 22nd at 2 pm.

- 8. Treasurer's Report: The income from the period of January 1 to January 31 was in the amount of \$1373.84. Expenses for the same period came to \$135.52 for a net of \$1238.32. The opening balance was \$9221.99 and the closing balance for the period was \$10432. A motion was made by VE1MR Bill to accept the report. VE1YL Helen seconded the motion, motion carried.
- 9. Other Executive Reports:
- 10. Committee, Event and Special Projects Reports:
- 1. Membership Report From Jim, VE1PPA, reported by Brian VA1CC for 2020 there are 43 Full, 3 Associate, 4 Life and 18 associate (complimentary) members for a total of 68 members. Compared to last year at this time membership is down 17 members, please send in dues.
- 2. <u>SAR/EMO</u> Dave George, VE1AJP was absent, there was a call received regarding a lost lady, she was found. George VE1CAW.

3. Station Manager Report - Don, VE1DTR absent due to illness, VE1GFX Greg. Technical committee member reported that the Remote Rig is up and running. A reminder that an Advanced class license will be required to operate the remote station. Sign-in and sign up for use protocols are being developed. Stay tuned for a forthcoming information session.

The internet service has been upgraded to Eastlink high speed to accommodate the new remote.

#### 4. Other reports

MMA (Maritime Museum of the Atlantic) VE1AI Dick reported that we are gearing up for Spring Break in March, watch your email for a sign up sheet QSL Bureau, make sure that your address is updated with the Club and Radio Industry of Canada. Remember to contribute \$ to be able to receive your cards. HATS There will be a newsletter in the Reflector. Gary Murphy VA1GGM was not present.

- 5. Neil VE1YZ gave a report on the area <u>repeaters VE1PKT (1983) and VE1CDN (1985)</u>, linking operations and the tie to the NSARA repeaters. The influx of the Yaesu promoted Fusion products has had an impact on repeater activity.
- 6. Fred VE1FA shared information regarding an Islands on the Air event, IOTA International competition sponsored by the Radio Society of Great Britain, RSGB, coming up this July 22-23. In the past, the NS competition team has usually placed first in North America operating from Bon Portage. Though, due to rising fees, two other locations are being reviewed. The sites being considered are Long Island and Little Tancook Island at approximately ½ the cost. The participating operators share in the cost. The group arrives at the site usually 2 days in advance to get the equipment to the site, boat,

 $(Continued\ on\ page\ 7)$ 

(Continued from page 6)

ferry, or other, and set up antennas and two operating positions in typically a rented cottage. Estimated costs are \$250/person for the Long Island site and \$350/person for Little Tancook. Sounds like a great experience! Contact Fred if you are interested.

7. Sheldon VE1GPY gave a summary report for Parks on the Air that was in the February Reflector. Over 24,000 QSO's were logged, and 2000 awards available via download for the Activators and Chasers.

#### 11. Old Business:

- 1. <u>Digital Repeater</u>: Jason reported that the digital repeater is operational and awaiting better weather for antenna work.
- 2. Flea Market Chair/Field Day Chair: The Lower Sackville site has been secured. Table cost is \$10 and includes the seller's entry fee. John VE1JMB with assistants will be leading the effort, please contact him to volunteer for ticket sales, security, table set-up, and 50/50 draw.

Thanks John!

12. <u>Round Table</u> - Member News: the brief sharing of important personal news:

Field Day sites discussion and radio check out to be done.

- 13. 50:50 Draw: \$32.00 is the amount tonight, Greg VE1GFX was the winner!
- 14. Motion for Adjournment: Bill VE1MR, motioned, meeting adjourned 2030 hours.

Respectfully submitted by Roger Stein, VA1RST, HARC Secretary

# From the Mail Bag



Who knew what time it was when the first clock was made?

From the Atlantic Amateur web site

https://atlanticamateur.ca/2020/03/07/d-star-dmr-fusion-pages/

News

D-Star, DMR & Fusion pages by Jim Langille • March 7, 2020 From Ron MacKay's website http://ve1cra.net/main/

2020-02-22

Since both Fusion and DMR activity has grown significantly over the past 2 years, I have created separate web pages for all three of the popular Digital Voice Modes.

D-STAR, DMR, and Fusion pages.

an interesting article on MTR2000's is at

https://docs.google.com/document/d/1Jn6TRjubOe3sctgA2T8A-JvauCG8ADii8NCNFEDB-Ak/edit

73, Jason, VE1PYE

This is an Excellent Web Site for COVID 19 Information

https://www.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6

# **HARC Booking Calendar**

Looking to find out what is going on in the HARC Station? If so, you should go to our on-line room booking calendar at:

https://teamup.com/ksa1105421c0509940

There you can find information on events taking place in the:

- Club Station Main Meeting Room
- Club Library / Technical Room
- Club Radio Station Room
- Club Remote Radio Reservation Booking

If you want to reserve space in one of the above rooms, or if you are approved to use and want to book time on the Club Remote Radio, then send an email to our Station Manager, Don, VE1DTR at dontrotter@hotmail.com

or to our Club Website Manager, Brandon, VE1BMF, at bmfowler95@gmail. com and they will make your booking.



Golfers who try to make everything perfect before taking the shot rarely make a perfect shot. To view the activities of the Maritime Lighthouse Amateur Radio Group go to;

https://www.facebook.com/groups/ MLARG/

The complete and official rules for Field Day are available on the ARRL Web site at

http://www.arrl.org/contests/rules/

Do you have pictures, an interesting or funny radio-related story, an article or a question or news you would like to share via the HARC Reflector? Please send it/them to Lynn at bowser.elliott@ns.sympatico.ca

Please show "For Reflector" on the "Subject" line so I don't miss it. Thanks!.-ed

#### HATS NEWS: March 2020

TheHalifaxAuxiliary Telecommunications Service (HATS) is an operational vehicle through which HARC and DARC contribute to emergency telecommunications when a manmade or natural disaster strikes our community. This service is a joint effort of amateur radio clubs in the Halifax region and functions under the direction of the Emergency Management Division of Halifax Regional Fire and Emergency (HRFE)

#### WHAT'S NEW?

HATS really has nothing to report this month. We are working on some manuals.

We are looking for new members but that is it.

73 de Gary

Gary Murphy, VA1GGM Coordinator Halifax Auxiliary Telecommunication Service (HATS) Email: garygmurphy@gmail.com

Tele: 902 229-4658

### Meeting Cancellation Notification Policy & Procedure:

In the future, if the weather looks bad,

before you set out under potentially risky conditions, check the Home Page of the HARC website. If the Executive decides to cancel a meeting, we will activate our streaming red banner on the top of the HARC website Home Page. It will let you know of meeting cancellation and/or other important information for Club members. So, if the weather is bad on Meeting night, before you leave home for the Club meeting, check the Home Page of the HARC website for any update.

A fart it is a pleasant thing, It gives the belly ease, It warms the bed in winter, And suffocates the fleas.

#### **OSL BUREAU UPDATE**

Recently the QSL Bureau received approximately 3000 QSL cards. Most of those, as well as others on file, have been distributed to the card holders.

However, the Bureau has had a number of QSL cards returned by Canada Post as a result of incorrect mailing addresses. If your call is listed below, would you please let the Bureau know you correct address. If you do not wish to receive QSL cards, please advise the Bureau accordingly.

The following were returned as a result of having an incorrect address:

VE1ANG	VE1AKT	VE1AAV	VE1AYY	VE1BT
VE1KC	VE1KCO	VE1KRE	VE1KTB	VE1LPL
VE1LU	VE1MEA	VE1RAB	VE1RST	

We have several amateurs with cards on file (some with 100 plus cards) either with no address or insufficient funds. These will be discarded April 30, 2020 if we have not received a correct address and sufficient funds to process them. The mailing costs equate to the actual cost charged by the Post Office plus a .50 Bureau administration fee. If picked up at the Club Station or at any of the flea markets that the Bureau is present, the cost will be the .50 administration fee.

It is not our Bureau, it is YOURS and we are administering it on your behalf. You can assist us by the following:

Advising if you have changed your address.

Ensuring that you have sufficient funds on deposit.

If you do not wish to receive QSL cards, please advise the Bureau. Also, you can advise those that you work that you do not exchange QSL cards, and that you can note the same on your DxWatch.com page.

If you are a new amateur, please advise the Bureau of your name, callsign and address and whether or not you wish to receive QSL cards. We currently have received hundreds of QSL cards for which we have no information on file. These also will be discarded on April 30, 2020 unless claimed.

The Bureau will operate only with your co-operation and input. We are currently reviewing all cards on file, some back to the 1990's, and many, if not all of these will be discarded also.

# From the ARRL web site **Outer Space** is Your Next Radio Frontier!

You can make contacts through amateur radio satellites, even with the International Space Station, using equipment you probably own right now! It just takes the right information, which you'll find in ARRL's book Amateur Radio Satellites for Beginners.

Dozens of spacecraft are in orbit waiting for your signals, and more are being launched every year. This book is your guide to a whole new world of operating enjoyment. You will be able to locate satellites, determine when they'll be available in orbit, gain tips for building your own

"satellite station, find a simple stepby-step guide to making your first contacts, discover satellite antenna projects you can build at home.

"Even with just a dual-band FM transceiver & a mobile antenna, you can make contacts through an amateur satellite!" said ARRL author & OST Editor Steve Ford, WB8IMY.

Building amateur radio satellites is difficult; communicating through amateur satellites is not. Amateur Radio Satellites for Beginners will introduce you to new experiences that you may have thought were out of your reach. Start reading and discover how easy it can be!

#### **REMINDER**

Have you renewed your membership for 2020? Have you changed your mailing address? Your E-mail address? Got a new call sign? We need to know your correct address to get the newsletter to you. Please inform Membership chair Jim Calvesbert, VE1PPA jim.calvesbert@gmail.com of any address changes

Amateur Radio Satellites for Beginners is available from the ARRL Store or your ARRL Dealer. (ARRL Item no. 1304, ISBN: 978-1-62595-130-4), \$22.95 retail. It will also be available as an e-book for the Amazon Kindle.

Want to check road conditions before driving?

New Brunswick Highway Cams:

http://www.gnb.ca/0113/cameras/allcams-e.asp

Nova Scotia Highway Cams:

http://gov.ns.ca/tran/cameras/camera.asp

PEI Highway Cams: https://www.tourismpei.com/pei-webcams Halifax's Armdale Rotory http://www.novascotiawebcams. com/halifax/armdale-rotary.html#axzz1AmMziRUo

Dear Saturn, I liked it, so I put a ring on it. Sincerely, God



	<b>1</b> 20								
	HALIFAX .	AMATEUR R	ADIO CLUB	MEMBERSHIP - For 2020					
☐ Same address as last year ☐ New address									
☐ I would like newsletter as PDF E-Mail (Please note by taking the newsletter online									
you save the Club significant mailing and printing costs )									
☐ I would prefer to have the newsletter mailed to my home <b>at an additional cost of</b> \$10.00 to the regular membership fee structure below.									
		\$10.00 to the	regular memb	ersnip tee structure below.					
HALIFAX AMAN	EUp								
HARC	E Mail Address	E Mail Address (Please provide for our files)  Call Sign							
RADIO CLI	Call Sign								
	Cun Sign				•				
First Name	Initial		Surname						
Street Address (Mailing)									
City/Town	P	rovince	Postal	Code Telephone N	umber				
Fees ☐ Full Member, must be a licensed Amateur (\$30.00)* ☐ Associate member (Non Voting) (\$20.00)									
Family membership (one newsletter) $(\$30.00)^* + \$20.00^*$ each additional person.* Amount submitted $\$$									
$\pm$ 1 raining membership (one newsletter) (\$50.00). + \$20.00. each additional person. Amount submitted $\pm$ .									
The membership year is from January 1 to December 31.									
All members receive the newsletter, which is also available on the HARC website.									
Please fill in me	ethod of payment	□ cheque	□ cash	☐ Interac/e-transfer					
	Membership Chair Halifax Amateur Radio Club 2050 Hammonds Plains Road Hammonds PlainsNS B4B 1P3			CARD					
			ENTERED						
	i iai ii i	D4D IF3							

Or if using Interac e-transfer to pay, please follow the instructions on the HARC website's Membership page for e-mailing this form and your Interac funds.

**Payment Options** ... In addition to mailing a cheque to the Club mailing address along with the application form, or paying at the January Club meeting, we have set up an electronic money transfer process. Go to the H.A.R.C. Website's membership page at <a href="http://www.halifax-arc.org/pages/membership.html">http://www.halifax-arc.org/pages/membership.html</a> for more details.